Title (en)

Active matrix liquid crystal display panel and method for compensating defective pixel in active matrix liquid crystal display panel.

Title (de)

Flüssigkristall-Anzeigetafel mit aktiver Matrix und Verfahren zum Kompensieren von Pixeldefekten in einer solchen Anzeigetafel.

Title (fr)

Panneau d'affichage à cristal liquide à matrice active et méthode de compensation d'éléments d'image défectueux dans un tel panneau.

Publication

EP 0404072 A2 19901227 (EN)

Application

EP 90111580 A 19900619

Priority

JP 15762189 A 19890619

Abstract (en)

An active matrix liquid crystal display panel is composed of a number of liquid crystal display elements arranged in the form a matrix, each of the liquid crystal display elements being composed of an individual display electrode, a common electrode, and a liquid crystal material sandwiched between the individual display electrode and the common electrode. The individual display electrode of each of the liquid crystal display elements is selectively activated through an associated active element. A liquid crystal display element connected to a defective active element is modified to become a half tone display element, so that the liquid crystal display element connected to the defective active element becomes overshadowed or inconspicuous when the display panel is in operation.

IPC 1-7

G02F 1/136

IPC 8 full level

G02F 1/136 (2006.01); **G02F 1/13** (2006.01); **G09F 9/00** (2006.01); **G09F 9/30** (2006.01); G02F 1/1362 (2006.01)

CPC (source: EP US)

G02F 1/1309 (2013.01 - EP US); G02F 1/136259 (2013.01 - EP US); G02F 1/136268 (2021.01 - EP US); G02F 2201/508 (2013.01 - EP US)

Cited by

EP0506454A3; US5267066A; EP0640864A3; US5636042A; EP0501837A3; US5280374A

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DE FR GB

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EP 0404072 A2 19901227; **EP 0404072 A3 19911002**; JP H0321928 A 19910130; US 5142386 A 19920825

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